

## EAST Search History

| Ref # | Hits | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-----------------|------------------|---------|------------------|
| L1    | 1    | ((tomohiko near3 taniguchi) or (keiichi near3 toiyama) or (kazuya near3 ueda)).in. and (master near3 branch).clm.  | US-PGPUB; USPAT | OR               | ON      | 2008/12/22 10:16 |
| S1    | 117  | ((time or timing or times) near3 (adjust\$5 or synthes\$5 or synchroni\$7)) and diversi\$3 and (plurali\$3 near3 branch\$3) and @ad<"20040728"                                       | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 11:15 |
| S2    | 0    | ((time or timing or times) near3 (adjust\$5 or synthes\$5 or synchroni\$7)) and diversi\$3 and (plurali\$3 near3 branch\$3) and @ad<"20040728" and 370/310,315,316,319,321,324.ccls. | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 11:16 |
| S3    | 5    | ((time or timing or times) near3 (adjust\$5 or synthes\$5 or synchroni\$7)) and diversi\$3 and (plurali\$3 near3 branch\$3) and @ad<"20040728" and 375/354,362,364.ccls.             | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 11:19 |
| S4    | 3    | synchroni\$7 with using with major with branch\$3 and @ad<"20040728"   | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 14:56 |
| S5    | 5    | synchroni\$7 with using with (major\$3 or main) with (branch\$5 or finger\$3) and @ad<"20040728"   | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 14:58 |
| S6    | 145  | synchroni\$7 with (major\$3 or main) with (branch\$5 or finger\$3) and @ad<"20040728"  | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:01 |
| S7    | 3    | synchroni\$7 with (major\$3 or main) with (branch\$5 or finger\$3) and diversit\$5 and @ad<"20040728"  | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:01 |
| S8    | 8    | synchroni\$7 with (master\$3 or major\$3 or main) with (branch\$5 or finger\$3) with reference\$3 and @ad<"20040728"   | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:04 |
| S9    | 3    | synchroni\$7 with (master\$3 or major\$3 or main) near3 (branch\$5 or finger\$3) with reference\$3 and @ad<"20040728"  | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:05 |
| S10   | 306  | synchroni\$7 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path) and @ad<"20040728"  | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:08 |
| S11   | 1    | synchroni\$7 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path) and @ad<"20040728" and diversity.ti.  | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:08 |
| S12   | 8    | synchroni\$7 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path) and @ad<"20040728" and diversity  | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:17 |
| S13   | 0    | (synchroni\$7 with (selective or selection\$3) near3 diversity ).ti. and @ad<"20040728"  | US-PGPUB; USPAT | OR               | ON      | 2008/12/16 15:21 |

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| S14 | 85   | synchroni\$7 with (selective or selection\$3) near3 diversity and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:21 |
| S15 | 306  | synchroni\$7 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:22 |
| S16 | 0    | S15 and S14   | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:22 |
| S17 | 552  | synchroni\$7 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with reference and @ad<"20040728"                              | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:29 |
| S18 | 22   | synchroni\$7 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with reference and @ad<"20040728" and diversity                | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:29 |
| S19 | 13   | (synchroni\$7 with diversit\$3).ti. and @ad<"20040728" and diversity  | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:47 |
| S20 | 183  | strongest near3 (signal or path or branch) with reference and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:52 |
| S22 | 41   | strongest near3 (signal or path or branch) with reference and @ad<"20040728" and diversity  | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:53 |
| S23 | 5    | synchron\$5 with strongest near3 (signal or path or branch) with reference and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/16 15:54 |
| S24 | 1    | strongest near3 (signal or path or branch) with reference with ((time or timing) near3 synchron\$7) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/16 16:07 |
| S25 | 48   | strongest near3 (signal\$3 or path\$3 or branch\$3) with reference and ((time or timing) near3 synchron\$7) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/16 16:12 |
| S26 | 0    | (quadrature near3 detection) and diversity and branch\$3 and ((major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path) with detect\$5) and @ad<"20040728" | US-PGPUB; USPAT | OR | ON | 2008/12/16 16:37 |
| S27 | 1667 | ((major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path) with detect\$5) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/16 16:37 |
| S28 | 54   | (quadrature near3 detection) and diversity and branch\$3 and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/16 16:37 |
| S29 | 8652 | indicat\$5 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 10:49 |
| S30 | 2576 | indicat\$5 with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) and time\$3 with (synch\$7 or referen\$3) and @ad<"20040728"     | US-PGPUB; USPAT | OR | ON | 2008/12/19 10:51 |

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| S31 | 1   | (indicat\$5 adj signal) with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with time\$3 with (synch\$7 or referen\$3) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 10:57 |
| S32 | 98  | (indicat\$5) with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with time\$3 with (synch\$7 or referen\$3) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/19 10:59 |
| S33 | 6   | (indicat\$5) with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with time\$3 with (synch\$7 or referen\$3) and @ad<"20040728" and diversit\$3  | US-PGPUB; USPAT | OR | ON | 2008/12/19 10:59 |
| S34 | 0   | (determin\$3 or find or estmat\$5 or detect\$7 or monitor\$7 or check\$3 or observ\$5 or estmat\$5) with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with time\$3 with (synch\$7 or referen\$3) and @ad<"20040728" and branch\$3 and diversit\$3 and (other\$3 or another\$3 or rest ) with branch\$3 with (major\$3 or main or master\$3) | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:07 |
| S35 | 18  | (determin\$3 or find or estmat\$5 or detect\$7 or monitor\$7 or check\$3 or observ\$5 or estmat\$5) with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with time\$3 with (synch\$7 or referen\$3) and @ad<"20040728" and branch\$3 and diversit\$3   | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:07 |
| S36 | 431 | (determin\$3 or find or estmat\$5 or detect\$7 or monitor\$7 or check\$3 or observ\$5 or estmat\$5) with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) and @ad<"20040728" and branch\$3 and diversit\$3  | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:11 |
| S37 | 12  | (determin\$3 or find or estmat\$5 or detect\$7 or monitor\$7 or check\$3 or observ\$5 or estmat\$5) with (major\$3 or main or master\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) and @ad<"20040728" and branch\$3 and diversit\$3.ti.  | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:11 |
| S39 | 328 | (determin\$3 or find or estmat\$5 or detect\$7 or monitor\$7 or check\$3 or observ\$5 or estmat\$5) near3 (major\$3 or main or master\$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) and @ad<"20040728" and branch\$3   | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:18 |
| S40 | 1   | (determin\$3 or find or estmat\$5 or detect\$7 or monitor\$7 or check\$3 or observ\$5 or estmat\$5) near3 (major\$3 or main or master\$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) and (major\$3 or main or master\$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) with referenc\$3 near3 time\$3 and @ad<"20040728" and branch\$3                               | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:19 |

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| S41 | 6   | (major\$3 or main or master\$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) with referenc\$3 near3 time\$3 and @ad<"20040728" and branch\$3  | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:20 |
| S42 | 7   | (major\$3 or main or master\$3 or strong\$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) with referenc\$3 near3 time\$3 and @ad<"20040728" and branch\$3   | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:21 |
| S43 | 535 | strong\$5 with referenc\$3 with time\$3 and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:23 |
| S44 | 54  | (major\$3 or main or master\$3 or strong\$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) with referenc\$3 near3 time\$3 and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 11:23 |
| S45 | 0   | (directional near3 antenna\$3) and (direct\$5 with (corresp\$7 or base\$on or based\$on or according or depend\$5 or ((found\$3 or depend\$3 or stand\$3 or form\$3 or hinge\$3 or place\$3 or rest\$3) near3 on)) with (GPS or gyro) ) and gps and gyro and @ad<"20040728" | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:21 |
| S46 | 10  | (directional near3 antenna\$3) and (direct\$5 with (corresp\$7 or base\$on or based\$on or according or depend\$5 or ((found\$3 or depend\$3 or stand\$3 or form\$3 or hinge\$3 or place\$3 or rest\$3) near3 on)) with (GPS or gyro) ) and @ad<"20040728"                  | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:21 |
| S47 | 28  | (directional ) with (corresp\$7 or base\$on or based\$on or according or depend\$5 ) with (GPS or gyro) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:32 |
| S48 | 0   | diversity and (major\$3 or main or master\$3) near3 branch\$3 with (highest adj average) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:41 |
| S49 | 0   | (major\$3 or main or master\$3) near3 branch\$3 with (highest adj average) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:41 |
| S50 | 0   | (major\$3 or main or master\$3 or strongest\$3) near3 branch\$3 with (highest adj average) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:41 |
| S51 | 0   | (major\$3 or main or master\$3 or strongest\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with (highest adj average) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:42 |
| S52 | 1   | (major\$3 or main or master\$3 or strongest\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with (highest near3 average) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:42 |
| S53 | 0   | (major\$3 or main or master\$3 or strongest\$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less) near3 fluctur\$7) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:43 |
| S54 | 0   | (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less) near3 fluctur\$7) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:48 |

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| S55 | 0    | (major\$3 or main or master\$3 or strongest \$3) with ((least or less) near3 fluctur\$7) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:49 |
| S56 | 1    | ((least or less) near3 fluctur\$7) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:51 |
| S57 | 1    | (major\$3 or main or master\$3 or strongest \$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less) near3 fluctua\$7) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:52 |
| S58 | 57   | (major\$3 or main or master\$3 or strongest \$3) with ((least or less) near3 fluctua\$7) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:53 |
| S59 | 591  | (branch\$5 or finger\$3 or path\$3 or signal \$3) with ((least or less) near3 fluctua\$7) and @ad<"20040728"  | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:54 |
| S60 | 1052 | (branch\$5 or finger\$3 or path\$3 or signal \$3) with ((least or less or mini\$5) near3 fluctua\$7) and @ad<"20040728"   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:58 |
| S61 | 1    | (major\$3 or main or master\$3 or strongest \$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less or mini\$5) near3 fluctua\$7) and @ad<"20040728"                                   | US-PGPUB; USPAT | OR | ON | 2008/12/19 12:59 |
| S62 | 7    | (major\$3 or main or master\$3 or strongest \$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less or minim\$7 or small\$5 or low\$5 ) near3 fluctua\$7) and @ad<"20040728"           | US-PGPUB; USPAT | OR | ON | 2008/12/19 13:00 |
| S63 | 155  | (major\$3 or main or master\$3 or strongest \$3) near3 (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less or minim\$7 or small\$5 or low\$5 ) near3 ( vari\$7 ) ) and @ad<"20040728"         | US-PGPUB; USPAT | OR | ON | 2008/12/19 13:03 |
| S64 | 35   | (major\$3 or main or master\$3 or strongest \$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less or minim\$7 or small\$5 or low\$5 ) near3 ( vari\$7 ) ) and @ad<"20040728"           | US-PGPUB; USPAT | OR | ON | 2008/12/19 13:05 |
| S65 | 36   | (major\$3 or main or master\$3 or strongest \$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less or minim\$7 or small\$5 or low\$5 ) near3 ( vari\$7 or varying) ) and @ad<"20040728" | US-PGPUB; USPAT | OR | ON | 2008/12/19 13:08 |
| S66 | 4    | (major\$3 or main or master\$3 or strongest \$3) adj (branch\$5 or finger\$3 or path\$3 or signal\$3) with ((least or less or minim\$7 or small\$5 or low\$5 ) near3 ( vary\$5 ) ) and @ad<"20040728"           | US-PGPUB; USPAT | OR | ON | 2008/12/19 13:10 |

12/22/2008 10:28:32 AM

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